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Sub B3
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Surrounding the core, the mode field diameter of the fiber being greater than $8\mu\text{m}$ and the refractive index difference between the core and the cladding layer being selected such that the cut-off wavelength at which the fiber becomes single mode lies in the range 1000-1550nm.

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Sub B57
9 (once amended) A method of designing an optical fiber comprising core and cladding, for use in an optical amplifier, comprising the steps of:

selecting a core diameter such that the mode field diameter of the fiber is greater than $8\mu\text{m}$ and such that low frequency attenuation is below desired limits;

selecting a refractive index difference between the core and the cladding layer such that the cut-off wavelength at which the fiber becomes single mode lies in the range 1000-1550nm and such that bending losses are below desired limits.

REMARKS

This paper responds to the Office Action mailed April 10 2002 with reference to the above identified application.

Copies of formal drawings are provided in response to the objections raised in paragraph 1 of the Action. Originals will be filed when the application is allowed. No response to the applicants' April 24, 2002 letter was ever received. Furthermore, claims 7 and 9 have been amended to bring the scope of these claims into line with the other claims. In particular, the mode